		U.S. DEPARTME	U.S. DEPARTMENT OF COMMERCE			SERIAL NO. 09/667,556		
(MODIFIED)		PATENT AND TR	ADEMARK OFFICE	016779/01	154	09	/667,556	
INF	ORMAT	ION DISCLOSURE	CITATION	APPLICANT	Alexander Bu	rger, <i>et al</i> .		ER 16
				FILING DATE		GROUP ART UNIT		2001 1600/2
	(Use several sheets if necessary)			September 22	2, 2000		1648	2001 1600/2900
			U.S. PATEN	T DOCUMENTS			•	
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS		G DATE IF OPRIATE
BATE	A1	5,618,536	04/08/97	Lowy, et al.	424	192.1		
D 84	43 A2	6,165,471	12/2000	Garcea, et al.	424	186.1		
OCT 878 2001	발A3	6,066,324	05/2000	Gissmann, et al.	424	204.1		
TRADEM!	0							
	,	<u> </u>	FOREIGN PAT	ENT DOCUMENTS				
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS YES	NO NO
SH	A4	WO 93/02184	02/1993	WIPO				
	A5	WO 93/20844	10/1933	WIPO				
	A6	WO 94/00152	01/1994	WIPO				
846	A7	WO 96/11272	04/1996	WIPO				Abstract
		OTHER DOCU	MENTS (Including A	uthor, Title, Date, Pe	rtinent Pages,	Etc.)		
Ste	A8			use Lines Which Consti sion Vectors", Immunol.			ties Of In	terleukin
	A9		ENETICS", <u>A Conservantal Conservantal Conservantal Conservantal Conservanta (Conservanta Conservanta Conservanta Conservanta Conservanta (Conservanta Conservanta Conservanta Conservanta Conservanta (Conservanta Conservanta Conservanta Conservanta Conservanta Conservanta Conservanta Conservanta Conservanta Conservanta (Conservanta Conservanta Conservan</u>	ved AU Sequence from t o. 659-667 (1988).	he 3' Untranslat	ed Region of (GM-CSF	mRNA
	A10			ROLOGY", <u>Self-Assem</u> Coexpression of the L1 a				
	A11			OLOGY", <u>Baculovirus</u> complexes, pp. 2981-29		e human papil	lomaviru	s type 16
94	A12			OGY", Vol. 67, No. 4, E Vitro Assembly of Virus				
EXAMINER		110	1	DATE CONSIDE	RED /			
	_81	horon / tola			1/3/01			
* EXA	MINER:	Initial if citation	considered, wheth	ner or not citation is not considered. I	s/in conforma	ance with M	IPEP 60	9; Draw
		tion to applicant.	comormance and	i iiot considered. T	noide any C	opy or tills	.OIIII W	THE HEAL

Form PTO-14	TO-1449 U.S. DEPARTMENT OF COMMERCE			ATTY. DOCKET NO. SERIAL NO.				<u> </u>
(MODIFIED)		PATENT AND TR	ADEMARK OFFICE	016779/0154		09/667,556		另 [
,				APPLICANT				
INFO	ORMATI	ON DISCLOSURE	CITATION	ATTY. DOCKET NO. 016779/0154 APPLICANT Alexander Burger, et al. FILING DATE September 22, 2000 1648				
				FILING DATE	GROUP AR	TUNIT	ER 1600/	
					GINOOI AIN		- 2	
	(Use se	everal sheets if nece	ssary) —————————	September 22	, 2000		1648	9
			U.S. PATEN	IT DOCUMENTS				
EXAMINER		DOCUMENT				SUB-	FILING	DATE
INITIAL	REF	NUMBER	DATE	NAME	CLASS	CLASS	-	F
	OF.		,				APPRO	PRIATE
6	(-	Cig						
	- 10	M 出						
	4 5 8 E	<u> </u>						
1 1	ĭ	\$ /						
777	W & IRAS	EMA						
	ainn							
	<u></u>					<u> </u>		
			FOREIGN PAT	ENT DOCUMENTS				
	REF	DOCUMENT	DATE	COUNTRY	CLASS	SUB-	TRANS	LATION
	KEF	NUMBER		000111111	02.00	CLASS	YES	NO
914	A13	WO 93/21958	11/1993	WIPO				
1	A14	WO 94/05792	03/1994	WIPO				
	A15	WO 94/20137	09/1994	WIPO				
811	A16	343 783	04/20/89	EUROPE				
		OTHER DOCU	MENTS (Including A	Author, Title, Date, Pei	rtinent Pages,	Etc.)	'	
		-	· · · · · · · · · · · · · · · · · · ·		-			
	A17	J. ZHOU et al., "VI	ROLOGY", Vol. 185,	Expression of Vaccinia R	ecombinant HP	V 16 L1 and I	L2 ORF P	roteins in
84	1111	Epithelial Cells is S	ufficient for Assembly	of HPV Virion-like Parti	<u>cies,</u> pp. 251-25	, (1991)		
		M S RARROSA et	al "JOURNAL OF V	IROLOGY", Vol. 65 No.	1 In Vitro Biol	ngical Activiti	es of the F	6 and
	A18			iruses of Different Onco				<u> </u>
		-						
	A19			OLOGY", Vol. 68, Progr		is Epithelial n	eoplasia ir	1 K14-
		Human Papillomav	irus Type 16 Transgen	ic Mice, pp. 4358-4368, (07-1994)			
		P. KAUR et al., "J.	GEN. VIROLOGY", V	ol. 70, Immortalization	of Primary Hun	nan Epithelial	Cells by C	Cloned
	A20		DNA Containing Hur	nan Papillomavirus Type	16 E6/E7 Oper	Reading Fra	<u>mes</u> ,pp. 12	261-1266,
/		(1989)						
-1-	A21	L. GAO et al., "JO	JRNAL OF GENERAL		Immune Respo	nse to Human	Papillom:	<u>avirus</u>
874	AZI	Type 16 E6 Gene in	a Live Vaccinia Vecto	<u>r</u> , pp. 157-164, (1994)				
EXAMINER	I			DATE CONSIDER	RED /			· · · · · · · · · · · · · · · · · · ·
	91	(117			1/2/.			
* FXA		horn 17-180	concidered wheat	or or not citation !-	1/5/0/	nco with M	IDED 600	Draw
				ner or not citation is I not considered. Ir				
line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.								

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 016779/0154		SERIAL NO. 309/667,556		
INFO	ORMATIO	ON DISCLOSURE	CITATION	APPLICANT	Alexander Bu	rger, <i>et al</i> .		CENTER
				FILING DATE		GROUP AR	T UNIT	69
	(Use se	veral sheets if neces	ssary)	September 2	2, 2000		1648	600/2900
			U.S. PATEN	T DOCUMENTS		<u> </u>		8
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING I APPRO	
OLD 5	July 3							
SATENT & T	RADEMA							
			FOREIGN PAT	ENT DOCUMENTS				
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	YES	NO NO
SAF	A22	390 252	03/15/90	EUROPE				
. [A23	WO 93/00436	01/07/93	WIPO				
	A24	WO 96/19496	06/27/96	WIPO				
8/1	A25	WO 96/11274	04/18/96	WIPO				
		OTHER DOCU	MENTS (Including A	uthor, Title, Date, Pe	ertinent Pages,	Etc.)		
897	A26			Hepatisi B Core Antige Induce Spec. Antibody				es of
	A27			D. SCIENCE", Papillon nunogenic, VOL. 89, pp			ein self-ass	embles
	A28	CARTER et al., "V Cerevisiae, pp. 513-		on of Human Papilloma	virus Proteins in	Yeast Saccha	romyces	
	A29		nes of Human Papillom	coli of Seven DNA Fragi avirus Type 6b and Loc				
847	A30			man Papillomavirus 16 rotection, "Int. J. Canco				duction
EXAMINER		100	1	DATE CONSIDE	RED //			
	8llu	my H. Hay			11/3/01		IDED AC	<u> </u>
line	through			ner or not citation i I not considered.				

Form PTO-14	149	U.S. DEPARTMENT OF COMMERCE		ATTY. DOCKET NO.		SERIAL NO.			
(MODIFIED)		PATENT AND TRADEMARK OFFICE		016779/0154		09/667,556		CEN	
			APPLICANT						
INFORMATION DISCLOSURE CITATION			016779/0154 09/667,556 APPLICANT Alexander Burger, et al. FILING DATE September 22, 2000 1648						
			FILING DATE		GROUP AR	T UNIT	/009 1007		
	(Use se	everal sheets if neces	sary)	September 22,	2000		1648)62,	
		·	U.S. PATEN	T DOCUMENTS				8	
						<u> </u>	FILING	DATE	
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	I	F	
INITIAL	PE	/c.				05/00	APPRO	PRIATE	
/0		\(\sigma_{\infty}\).							
	Cl 5 8 5	701							
					<u> </u>				
- \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	VY& TRAC	EM			-				
`	a IKA								
					-				
					<u> </u>				
]								
FOREIGN PATENT DOCUMENTS									
REF		DOCUMENT DATE	COUNTRY CLASS	CLASS	SUB-	TRANS	LATION		
	11.21	NUMBER				CLASS	YES	NO	
				·					
		OTHER DOCUM	MENTS (Including A	uthor, Title, Date, Pert	inent Pages	Etc.)			
	i	<u>.</u>				·			
	A31			products of the human par lovirus, and antigenic com					
SAF				', Vol. 71, pp. 2725-2729 (
1						1 (100%)			
	A32	MULLER et al., Chi	meric papiliomavirus-	like Particles,"VIROLOG	rr., pp. 93-11.	I (1997).			
		I 7HOU at al. WWI	OLOGVI VAL 195 I	dentification of the Nucle	ar I geolization	Signal of U.	man		
	A33		16 L1 Protein, pp. 62		ar Localizatioi	i Signai oi mu	man		
	A34			IROLOGY", Vol. 67 No. 1 Virus-Like Particles, pp.			f Human		
								<u>-</u>	
	A35			LOGY", Vol. 64 No. 12, Cotein Domains for Induction					
811	133	Activation, pp. 6121-		viii Domains for muutil	or Cential I	Of minest	101 1	- 3	
EXAMINER		1 .10	7/	DATE CONSIDER	ZD /				
	8	lean At	K	11/0	7/8/				
				er or not citation is					
line	through	citation if not in	conformance and	not considered. Inc	clude any c	opy of this	form wi	ith next	

communication to applicant.

orm PTO-14 MODIFIED)	149	U.S. DEPARTMENT OF COMMERCE	I ATTY DOCKET NO		
MODIFIEDI			ATTY. DOCKET NO.	SERIAL NO.	呈
WODII ILD)		PATENT AND TRADEMARK OFFICE	016779/0154	09/667,556	品
INF	ORMAT	ON DISCLOSURE CITATION	APPLICANT Alexander But	rger, et al.	CENTER 1600/2900
			FILING DATE	GROUP ART UNIT	5
	(Use s	everal sheets if necessary)	September 22, 2000	1648	20/2
E JCIGO	-71	OTHER DOCUMENTS (Including A	uthor, Title, Date, Pertinent Pages,	Etc.)	900
2 6 2001	A36	PAINTSIL, et al., "VIROLOGY", Vol. 223	, рр. 238-244, (1996).		
T& TRADEMA	A37	GREENSTONE et al., "PROC. NATL. AC Antitumor Immunity Against The E7 Onco			
	A38	ZHOU et al., "ABSTRACT FROM THE 13 Determination of L1 Sequences Required for Netherlands, (10-1994)	3 th INTERNATIONAL PAPILLOMAV or 1Assembly of Bovine Papillomavirus	TRUS CONFERENCE", (BPV) Capsids, Amsterd	lam,
		. Tremer and as (20 122 t)			
_					
			·		
		Storm A. Dy			
		$V = M \gamma U$. / - /	•	